CYBERCAMP INSTRUCTIONAL ACTIVITY SCHEDULE

School Division(s): __Cumberland__   **School:** _____Cumberland High School_____

Camp Begin Date: __June 6, 2016__   **Camp End Date:** _June 28, 2016_   **Days of Week:** ___Monday - Thursday_____

Daily Instruction Begin Time: ____8:00 a.m.____   **Daily Instruction End Time:** ____12:30 p.m._____   **Specify alternate schedules below**

Lunch Period (begin/end): __12:30-1 p.m._____   **Total instructional hours including guest speaker(s) field trip(s) and culminating**
Enrollment__25_____   **activity:** _____79_____

WEEK 1 -- JUNE 6-9, 2016			
Monday	**Tuesday**	**Wednesday**	**Thursday**

Introduction to cybersecurity and learning experiences during the camp (1 hour)
 	
cyber security credentialing pre-test (1 hour)
 	
Intro to Electricity (3 hours)
   Students investigate the property of electric circuits, apply different voltage, determine current, and calculate the total resistance for different types of resistors connection.
	Introduction to humanities and cyber (1.5 hour)
	
	Intro to Electricity (3.5 hours)
	   Students investigate the property of electric circuits, series and parallel connection. Ohm's Law experiment.
		Intro to Electricity (1 hour)
		
		Cyber Society—Digital Technology, Friendships, and Personal Relationships (1 hour)
		
		Introduction to Robotics (3 hours)
		   Hello World
			Introduction to Robotics (1.5hour)
			
			Cyber Society—Digital Technology and Privacy (1 hour)
			
			Liberal Arts (1.5 hour)
			   Network

WEEK 2 -- JUNE 13-16, 2016			
Monday	**Tuesday**	**Wednesday**	**Thursday**
Understanding Networking and Its Most Important Concepts 2.5 hours Public and Private Keys—cryptography 2 hours	Cyber—Digital Technology and Privacy (3 hours) Introduction to Robotics (2 hours)	Cyber—Digital Technology, Harms and Trust Introduction to Robotics (3 hours)	Field Trip A tour of the battlefield lab at Fort Lee Petersburg, VA. Purpose of the trip study sustainment concepts and capabilities. Geocaching at outdoor rec Richmond, VA. Purpose of geocaching--outdoor recreational activity, in which participants use a Global Positioning System (GPS) receiver or mobile device and other navigational techniques to hide and seek containers.

WEEK 3 -- JUNE 20-23, 2016				
Monday	**Tuesday**	**Wednesday**	**Thursday**	**Friday**

a.m. Guest Speaker
    —Dr. Linda Lau
    Wiresharks and
    Virtual Labs
 	
Computing Fundamentals (2 hours)
	Intro to Electricity (2 hours)
	Students build the model of electromagnet and investigate the properties of the model/coil
	
	Liberal Arts—current events 1 hours
		Liberal Arts—current events
		
		Introduction to Robotics (3 hours)
			Field trip GE Cyber Security Center Henrico, VA. Purpose understand the unique characteristics of the industrial environment and the evolving security landscape.	

WEEK 4 -- JUNE 27-28, 2016	
Monday	**Tuesday**
a.m. Guest speakers--expose students to real-world cybersecurity careers and the path to get those careers p.m. Mentors work with small groups on developing paths to get to cybersecurity careers	Cyber security credentialing post-test (1 hour) Cyber Ethics Culminating Activity Liberal Arts Debate 5:30 p.m. – 8 p.m. Incentive Program and Dinner